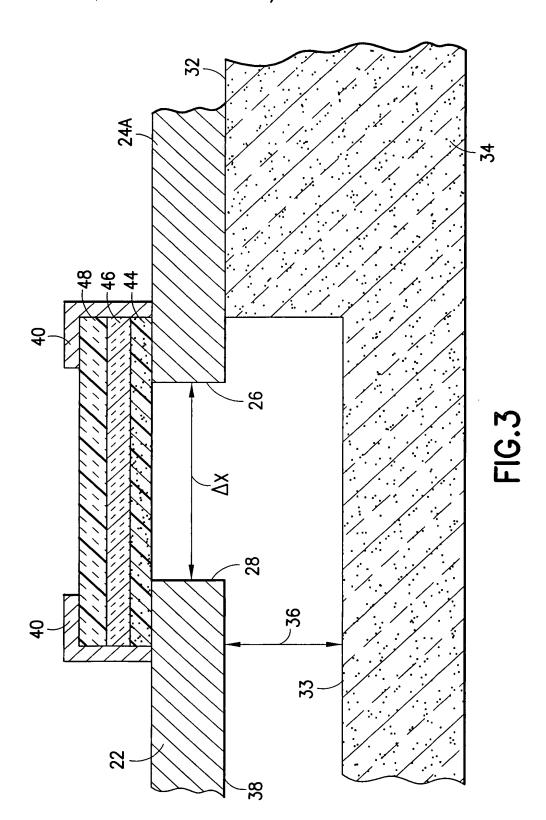


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9	HTS ANTENNA TO LOAD CONNECTION 5 MICRONS	0.016	0.011		40	5	95	200	200	200	0.5	200	2.4	248,000	
Ŀ	HTS ANTENNA HTS ANTENNA HTS ANTENNA HTS ANTENNA TO LOAD TO LOAD TO LOAD CONNECTION CONNECTION CONNECTION CONNECTION 25 MICRONS 15 MICRONS 10 MICRONS	90.0	0.041	0.041	77	10	92	200	400	400	0.5	250	2.4	248,000	
Е	HTS ANTENNA TO LOAD CONNECTION 15 MICRONS	0.1	0.068		77	15	95	200	1500	1000	0.5	250	10	99,200	
O	HTS ANTENNA TO LOAD CONNECTION 25 MICRONS	0.25	0.17	0.17	77	25	92	200	1750	2000	-	250	2.4	99,200	
၁	HTS ANTENNA TO LOAD CONNECTION 25 MICRONS	0.9	0.61			25	92	2000	2000	2000	-	250	2.4	99,200	
В	HTS ANTENN TO LOAD NORMAL METAL CONNECTION COOL TO 77K 25 MICRONS	100	89	$\frac{68}{(Sqrt125)}$ =6.1	77	25	95	6500	0009	2000	10	25	2.4	20,000	
∢	CONDUCTIVELY COUPLED WITH NORMAL METAL 25 MICRONS	300	210	=30	300	25	95	0009	0009) 2000	10	25	2.4	20,000	
	CONDUCTIVE/HTS	NEP(pW) SYSTEM	NEP(pW)	NEP(pW) AVERAGED (N TIMES)	Temperature (K)	UNIT CELL WIDTH (um)	FILL FACTOR (%AREA)	BRIDGE Si3N4 Eff	LEG SINI THICKNESS (Å)	LEG METAL THICKNESS (Å) 2	LEG WIDTH (um)	LEG LENGTH (um)	TCR %/K	BOLOMETER	RESISIANCE (chms)

FIG.4

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